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U.S. Patent Documents

Examiner Initial	No.	Patent No.	Issue Date	Patentee	Class	Sub-class	Filing Date
	1	5,325,238	6/28/1994	Stebbings et al.			
	2	5,517,672	5/14/1996	Reussner et al			
	3	5,528,513	6/18/1996	Vaitzbilt et al			
	4	5,585,866	12/1/1996	Miller et al.			
	5	5,616,876	4/1/1997	Cluts			
	6	5,644,715	7/1/1997	Baugher			
	7	5,671,195	9/1/1997	Lee, Howard Hong-Dough			
	8	5,734,119	3/3/1998	France et al			
	9	5,761,417	7/28/1998	Henley et al.			
	10	5,784,597	7/1/1998	Chiu et al.			
	11	5,787,482	7/28/1998	Chen et al			
	12	5,792,971	8/11/1998	Timis et al			
	13	5,802,502	9/1/1998	Gell et al			
	14	5,819,160	10/6/1998	Foldare et al			
	15	5,892,900	6/6/1996	Ginter et al			
	16	5,907,827	5/1/1999	Fang et al.			
	17	5,910,987	6/8/1999	Ginter et al			
	18	5,913,039	6/15/1999	Nakamura			
	19	5,915,019	6/22/1999	Ginter et al			
	20	5,917,912	6/29/1999	Ginter et al			
	21	5,920,861	7/6/1999	Hall et al			
	22	5,930,765	7/1/1999	Martin, John R			
	23	5,943,422	8/24/1999	Van Wie et al			
	24	5,944,778	8/31/1999	Takeuchi et al			
	25	5,949,876	9/7/1999	Ginter et al			
	26	5,956,321	9/21/1999	Yao et al			
	27	5,956,491	9/21/1999	Marks			
	28	5,959,945	9/1/1999	Kleiman, Ruben			
	29	5,963,914	10/5/1999	Skinner et al			
	30	5,982,891	11/9/1999	Ginter et al			
	31	5,996,015	11/30/1999	Day et al			
	32	6,029,257	2/22/2000	Palmer			
	33	6,031,797	2/29/2000	Van Ryzin et al			
	34	6,041,354	3/21/2000	Biliris et al			
	35	6,044,398	3/28/2000	Marullo et al			
	36	6,061,722	5/9/2000	Lipa et al			
	37	6,067,562	5/23/2000	Goldman			
	38	6,088,722	7/11/2000	Herz			
	39	6,112,023	8/29/2000	Dave et al			
	40	6,112,181	8/29/2000	Shear et al			
	41	6,138,119	10/24/2000	Hall et al			
	42	6,157,721	12/5/2000	Shear et al			

	43	6,157,940	12/5/2000	Marullo et al			
	44	6,160,812	12/1/2000	Bauman et al			
	45	6,163,683	12/19/2000	Dunn et al			
	46	6,168,481	12/1/1992	Culbertson et al			
	47	6,173,325	1/9/2001	Kukreja			
	48	6,185,683	2/6/2001	Ginter et al			
	49	6,185,701	2/6/2001	Marullo et al			
	50	6,192,340	2/20/2001	Abecassis			
	51	6,195,701	2/27/2001	Kaiserworth et al			
	52	6,199,076	3/6/2001	Logan et al			
	53	6,222,530	4/24/2001	Sequiera			
	54	6,226,672	5/1/2001	DeMartin et al			
	55	6,237,786	5/29/2001	Ginter et al			
	56	6,240,185	5/29/2001	Van Wie et al			
	57	6,243,328	6/5/2001	Fenner et al			
	58	6,243,725	6/5/2001	Hempleman et al			
	59	6,247,061	6/12/2001	Douceir			
	60	6,248,946	6/19/2001	Dwek			
	61	6,253,193	6/26/2001	Ginter et al			
	62	6,262,569	7/17/2001	Carr et al			
	63	6,263,362	7/17/2001	Donoho et al			
	64	6,266,788	7/24/2001	Othmer et al			
	65	6,300,880	10/9/2001	Sitnik			
	66	6,314,576	11/1/2001	Asamizuya et al.			
	67	6,332,163	12/18/2001	Bowman-Amuah			
	68	6,356,936	3/12/2002	Donoho et al			
	69	6,363,488	3/26/2002	Ginter et al			
	70	6,366,914	4/2/2002	Stem			
	71	6,389,402	5/14/2002	Ginter et al			
	72	6,421,651	7/16/2002	Tedesco et al			
	73	6,427,140	7/30/2002	Ginter et al			
	74	6,430,537	8/6/2002	Tedesco et al			
	75	6,434,621	8/13/2002	Pezzillo et al			
	76	6,434,628	8/13/2002	Bowman-Amuah			
	77	6,438,450	8/20/2002	DiLorenzo			
	78	6,438,630	8/20/2002	DeMoney			
	79	6,441,832	8/27/2002	Tao et al			
	80	6,446,080	9/3/2002	Van Ryzin et al			
	81	6,446,125	9/3/2002	Huang et al			
	82	6,446,126	9/3/2002	Huang et al			
	83	6,449,367	9/10/2002	Van Wie et al			
	84	6,453,316	9/17/2002	Kairbe et al			
	85	6,477,541	11/1/2002	Korst et al			
	86	6,477,707	11/1/2002	King et al.			
	87	6,492,469	12/1/2002	Willis et al			
	88	6,496,744	12/17/2002	Cook			
	89	6,505,160	1/7/2003	Levy et al			
	90	6,519,648	2/11/2003	Eyal			
	91	6,526,411	2/25/2003	Ward			
	92	6,529,586	3/4/2003	Elvins et al			
	93	6,536,037	3/18/2003	Guheen et al			
	94	6,542,445	4/1/2003	Ijichi et al			
	95	6,546,397	4/8/2003	Rempell			
	96	6,550,057	4/15/2003	Bowman-Amuah			

	97	6,601,041	7/29/2003	Brown et al				
	98	6,618,484	9/9/2003	Van Wie et al				
	99	6,658,568	12/2/2003	Ginter et al				
	100	6,668,325	12/23/2003	Collberg et al				
	101	6,772,435	8/1/2004	Thexton et al				
	102	6,910,220	6/1/2005	Hickey et al				
	103	6,950,623	9/1/2005	Brown et al				
	104	7,020,710	3/1/2006	Weber et al				
	105	7,020,893	3/1/2006	Connelly, Jay H				
	106	7,136,906	11/1/2006	Giacalone Jr., Louis D.				
	107	7,185,352	2/1/2007	Halford et al.				
	108	6,772,340	8/1/2004	Peinado et al.				
	109	6,263,313	7/1/2001	Milsted et al.				
	110	7,024,485	4/1/2006	Dunning et al..				
	111	6,609,097	8/1/2003	Costello et al.				

Published U.S. Patent Application

Examiner Initial	No.	Document No.	Publication Date	Assignee	Class	Sub-class	Translation Yes	No
	1	2001/0003828	6/14/2001	Peterson et al				
	2	2002/0032907	3/1/2002	Daneils John J.				
	3	2002/0059237	5/1/2002	Kumagai et al.				
	4	2002/0059624	5/1/2002	Machida et al				
	5	2002/0068525	6/1/2002	Brown et al.				
	6	2002/0078056	6/20/2002	Hunt et al.				
	7	2002/0082914	6/27/2002	Beyda et al.				
	8	2002/0095510	7/1/2002	Sie et al				
	9	2002/0104099	8/2002	Novak, Robert Eustace				
	10	2002/0107968	2/6/2003	Messarina				
	11	2002/0108395	8/15/2002	Fujita et al.				
	12	2002/0152876	10/24/2002	Hughes et al				
	13	2002/0152878	10/24/2002	Akashi				
	14	2002/0198846	12/26/2002	Lao				
	15	2003/0014436	1/16/2003	Spencer, et al.				
	16	2003/0018797	1/23/2003	Dunning et al				
	17	2003/0023973	1/1/2003	Monson et al.				
	18	2003/0023975	1/1/2003	Schrader et al.				
	19	2003/0069768	4/10/2003	Hoffman, et al.				
	20	2003/0121050	6/26/2003	Kalva et al.				
	21	2003/0126275	7/3/2003	Mungavan et al				
	22	2003/0135605	7/17/2003	Pendakur				
	23	2003/0195974	10/16/2003	Ronning et al				
	24	2004/0064507	4/1/2004	Sakata				
	25	2005/0159104	7/1/2005	Valley et al.				
	26	2002/0091761	7/1/2002	Lambert, James P.				
	27	2003/0236906	12/1/2003	Klemets et al.				
	28	2003/0048418	3/1/2003	Hose et al.				
	29	2003/0028893	2/1/2003	H. Addington, Timothy				
	30	2005/0114757	5/1/2005	Sahota et al.				

Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Assignee	Class	Sub-class	Translation Yes	No
	1	EP 1113605A2	7/4/1991	Lucent Technologies				
	2	EP 1187485B1	4/2/2003	Mediabricks AB				
	3	EP 0831608A2	3/25/1998	AT&T Corp.				
	4	EP 0875846A2	11/4/1998	Sony Electronics, Inc.				
	5	EP 0986046A1	3/15/2000	Lucent Technologies				
	6	EP 1286351A2	2/26/2002	Surcouf et al.				
	7	EP 1178487A1	2/6/2002	Shimada et al				
	8	EP 1187423A2	3/13/2002	Watanabe, K.				
	9	EP 1229476A2	8/7/2002	Chatani et al				
	10	EP 1244021A1	9/25/2002	Yamamoto, K.				
	11	EP 1267247A2	12/18/2002	Du, et al.				
	12	WO 02/063414	8/14/2002	Dietsch, K-L.				
	13	WO 01/10496A2	2/15/2001	Rubin et al				
	14	TW 497055	8/1/2002	Tsais				
	15	JP 2002318587	10/31/2002	Akashit				
	16	JP 2002108395	4/10/2002	Kobe Steel Ltd				
	17	JP 2003069768	3/7/2003	Ricoh KK				

Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	1	A Network Flow Model for Playlist Generation; Department of Electrical Engineering, Univeristy of Minnesota
	2	Learning a Gaussian Process Prior for Automatically Generating Music Playlists; Microsoft Corporation
	3	EasyLiving:Technologies for Intelligent Environments; Microsoft Research
	4	Intelligent Multicast Internet Radio; University of Dublin
	5	Flytrap: Intelligent Group Music Recommendation; IUI 02. 2002 International Conference on Intelligent User Interfaces;
	6	Virtual Jukebox; reviving a classic; Proceedings of the 35th Annual Hawaii International Conference on System Sciences, P. 887-93
	7	The MP3 Revolution; IEEE Intelligent Systems vol 14, no 3, p. 8-9,
	8	The Valid Web: an Infrastructure for Temporal Management of Web Documents; ADVIS 2000; Lecture Notes in Computer Science; Vol 1909, p. 294-303, Izmir, Turkey; pub: Soringer-Verlag; 2000; xvi-460pp.; Germany
	9	Usability Studies and Designing Navigational Aids for the World Wide Web; 6th Intl World Wide Web Conf.; Santa Clara, CA; USA; Pub: Elsevier Comput. Netw. ISDN Syste; vol 29, no. 8-13, p.1489-96; Sept 1997; Netherlands
	10	"Web based Protection and Secure Distribution for Digital Music", Proceedings, International Conference on Internet and Multimedia Systems and Applications pg 102-107, Hawaii, USA
	11	Apple's iTunes Music Store - http://www.apple.com/music/store
	12	Conference Paper: IP Data Over Satelite to Cable Headends and a New Operation Model with Digital Store and Forward Multi-Media System
	13	Coordinated CPU and Event Scheduling for Distributed Multimedia Applciations:, ACM Multimedia; Ottawa, Canada
	14	"Packet Synchronization Recovery Circuit" Vol 16, No 294, P.120
	15	HODSON, O., PERKINS, C., HARDMAN, V., "Skew detection and compensation for Inemet audio application" Part vol.3, p.1687-90, 2000 IEEE international Conference on Multimedia Proceedings, USA
	16	AURRECOECHEA, C., CAMPBELL, A., HAUW, L., "A Survey of QoS Architectures", Columbia University, New York

	17	CEN,S., PU, R., STAEHI, R.,WALPOLE, J., "A Distributed Real-Time MPEG Video Audio Player", Dept of Computer Science and Engineering, Oregon Graduate Institute of Science and Technology
	18	MANOUSELIS,N.,KARAMPIPERIS, P., VARDIAMBASIS,I.O., MARAS, A., "Digital Audio Broadcasting Systems under a QoS Perspective", Telecommunications Laboratory, Dept. of Electronics & Computer Engineering, Technical University of Crete, Greece
	19	Helix Universal Gateway Configuration Guide, RealNetworks Technical Blueprint Series
	20	SION, R., ELMAGARMID, A., PRABHAKAR, S., REZGUI, A., "Challenges in designing a QoS aware Media Repository (working draft) Computer Science, Purdue University, IN
	21	CHEN, Z., TAN,S.-M., CAMPBELL, R., LI, Y., "Real Time Video and Audio in the World Wide Web". Dept. of Computer Science, Univ. of Illinios, Champagne - Urbana
	22	Content Networking with the Helix Platform, RealNetworks White Paper Series, July 2002
	23	HESS, C., Media Streaming Protocol: An Adaptive Protocol for the Delivery of Audio and Video Over the Internet", 1998, Univ. of Illinois, Champagne-Urbana
	24	KOSTER, R., "Design of a Multimedia Player with Advanced QoS Control", January 1997, Oregon Graduate Institute of Science and Technology
	25	NARASIMHA, R. et al. "I/O Issues in a Multimedia System"; Computer, Vol. 27, No. 3, pg 69-74, March 1994, USA
	26	RAMAKRISHNAN, K.K. et al; "Operating system Support for a video-on-demand file service"; Multimedia Systems; Vol. 3, No. 2, Pg. 53-65, 1995 West Germany
	27	NWOSU, K.C. et al "Data Allocation and Spatio-Temporal Implications for Video-on-Demand Systems"; Proceedings of 1995 14th Annual Phoenix Conference on Computers and Communications; (Cat. No.95CH35751), pg. 629-35; IEEE: 1995 USA
	28	EUN, S.; et al. "Nonpreemptive scheduling algorithms for multimedia communication in local area networks"; Proceedings 1995 Int'l Conf on Network Protocols (Cat. no.: 95TB8122) pg. 356-IEEE Comput. Soc. Press; 1995 Los Alamitos, CA USA 1996
	29	NAKAJIMA, T.; "A Dynamic QoS control based on Optimistic processor reservation"; Proceedings of the Intn'l onf. on Multimedia Computing and Systems (Cat. No.: 96TB100057), pg. 95-103, IEEE Comp. Soc. 1996, Los Alamitos, CA USA
	30	Orji, C.U. et al; "Spatio-temporal effects of mutimedia objects storage delivery on video-on-demand systems"; Mutlimedia Sytems; vol. 5, no. 1, pg 39-52, Springer-Verlag; January 1997, Germany
	31	KENCHAMMANA-HOSEKOTE, D.R., et al.; "I/O scheduling for digital continuous media"; Mutlimedia Systems, vol. 5, no.4, pg 213-37, Springer-Verlag, July 1997 Germany
	32	MATSUI, Y et al.; "VoR: a network system framework for VBRT over reserved bandwidth"; Interactive Distributed Mutlimedia Systems and Telecommunications Services, 4th Int'l Workshop, IDMS '97 Proceedings; pg 189-98, Springer-Verlag; 1997, Berlin, Germany
	33	LULING, R. et al.; "Communication Scheduling in a Distributed memory parallel interactive continuous media server system"; Proceeedings of 1998 ICPP Workshop on Architectural systems and OS Support for Multimedia Applications Flexible Communications Systems, Wireless Networks and Mobile Computing; (Cat. no. 98EX206) pg 56-65; IEEE Comput. Soc, 1998 Los Alamitos, CA USA
	34	SEONGBAE, E., et al; "A real-time scheduling algorithim for multimedia communication in samll dedicated multimedia systems"; KISS(A) (Computer Systems and Theory) vol 25, no.5, pg492-502; Korea Inf. Sci. Soc; May 1998, South Korea, 1999
	35	GAROFALAKIS, M.N., et al. "Resource scheduling in enhanced pay-per-view continuous media databases"; Proceedings of 23rd Int'l Conf. on Very Large Databases"; pg 516-25; Morgan, Kaufman Publishers, 1997, San Francisco, CA USA 1999
	36	MOSTEFAOUI, A.; "Exploiting data structures in a high performance video server for TV archives"; Proceedings of the Int'l Symposium on Digital Media information Base, pg 516-25, World Scientific, 1998 Singapore
	37	GAROFALAKIS, M.N., "On periodic resource scheduling for continuous media databases: VLDB Journal, Vol 7, no.4, pg 206-25; 1998 Springer Verlag, germany 1999
	38	HWEE-HWA, P., et al., "Resource Scheduling In A High Performance Multimedia Server", March-April 1999, IEEE, USA.
	39	YOUNG-UHG, L. et al,"Performance analysis and evaluation of allocating subbanded video dta block on MZR disk arrays"; Proceedings of teh High Performance Computing (HPC'98) pg 335-40, Soc for Comp Simulation Intn'l 1998, San Diego, CA, USA
	40	FENG, C. et al.; "An architecture of distributed media servers for supporting guaranteed QoS and media indexing", IEEE Intn'l Conf on Multimedia Computing and Systems, Part vol. 2 IEEE Comp. Soc. 2 vol. 1999 Los Alamitos, CA 1999
	41	TO, T.-P.J. et al "Dynamic optimization of readsize in hypermedia servers"; IEEE Intn'l Conf on Mutlimedia Computing and Systems; Part vol. 2, pg 486-91, Pub. IEEE Comput. Soc, 2 vol. 1999 Los Alamitos, CA USA

	42	LEE, W. et al., "QoS-adaptive bandwidth scheduling in continuous media streaming"; Information and Software Technology; v.44n, June 2002, pg 551-563
	43	WADDINGTON, D.G., "Resource partitioning in general purpose operating systems; experimental results in Windows NT"; Operating Systems Review, vol. 33, no4, pg52-74; ACM, October 1999, USA
	44	DITZE, M. et al. "A method for real-time scheduling and admission control of MPE 2 streams; PART 2000; 7th Australian Conference on Parallel and Real-Time Systems", Nov. 2000, Sydney, NSW, Australia, Pub: Springer-Verlag, Hong Kong, China 2001
	45	GAROFALAKIS, M., et al, "Competitive Online scheduling of continuous media streams", Journal of Computer and Systems Sciences; vol64, no2 pg 219-48, Academic Press, March 2002 USA
	46	WONJON, L. et al. ; "QoS-adaptive bandwidth scheduling in continuos media streaming" Dept of Computer Sci and Engr, Korea University, Seoul, South Korea; Information and Software Technology, vol 44, no9, pg551-53, Seoul, Korea
	47	MOURLAS, C.; "Deterministic scheduling of CBR and VBR media flows on parallel media servers", Euro-Par 2002 Parallel Processing 8th Intn'l Euro-Par Conference Proceedings; Vol 2400, pg 807-15, August 2002, Paderborn, Germany 2003
	48	BUFORD, J.F.; "Storage server requirements for delivery of hypermedia documents", Proceedings of the SPIE - The International Society for Optical Engineering Conference, Int. Soc. Opt. Eng. vol2417, pg 346-55, 1995

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered.
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